

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2005/000095

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: D21F 3/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: D21F, D21G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4713147 A (SAARINEN), 15 December 1987 (15.12.1987), column 2, line 8 - line 30; column 4, line 32 - line 59, figures 3,4	1-5,7-9,11, 13,17,18
Y	--	19
Y	WO 9916967 A1 (VALMET-KARLSTAD AB), 8 April 1999 (08.04.1999), page 1, line 23 - line 29; page 2, line 17 - line 24; page 3, line 23 - line 30, figure 1	19
A	WO 9916971 A1 (VALMET-KARLSTAD AB), 8 April 1999 (08.04.1999)	1-20

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

14 June 2005

Date of mailing of the international search report

20 -06- 2005

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INTERNATIONAL SEARCH REPORT

Information on patent family members

30/04/2005

International application No.

PCT/FI 2005/000095

US	4713147	A	15/12/1987	FI	65103 B,C	30/11/1983
				FI	821584 D	00/00/0000
WO	9916967	A1	08/04/1999	EP	1027488 A	16/08/2000
				SE	510552 C	31/05/1999
				SE	9703570 A	31/03/1999
				US	6093283 A	25/07/2000
WO	9916971	A1	08/04/1999	AT	3119 U	25/10/1999
				AT	3120 U	25/10/1999
				AT	236293 T	15/04/2003
				AT	239129 T	15/05/2003
				BR	9812575 A	25/07/2000
				CA	2303539 A,C	08/04/1999
				DE	29817008 U	26/11/1998
				DE	29817097 U	26/11/1998
				DE	69812984 D,T	04/12/2003
				DE	69814171 D,T	08/04/2004
				EP	1021617 A,B	26/07/2000
				EP	1027489 A	16/08/2000
				EP	1058748 A,B	13/12/2000
				JP	2001518574 T	16/10/2001
				SE	510551 C	31/05/1999
				SE	510609 C	07/06/1999
				SE	510610 C	07/06/1999
				SE	510701 C	14/06/1999
				SE	9703571 A	31/03/1999
				SE	9704234 A	31/03/1999
				SE	9704235 A	31/03/1999
				SE	9704236 A	31/03/1999
				US	5997696 A	07/12/1999
				US	6042694 A	28/03/2000
				US	6139691 A	31/10/2000
				US	6159342 A	12/12/2000
				WO	9916968 A	08/04/1999
				WO	9916969 A	08/04/1999
WO	0198584	A1	27/12/2001	AT	412558 B	25/04/2005
				AT	91382001 A	15/09/2004
				AU	6915501 A	02/01/2002
				DE	10196358 T	15/05/2003
				FI	107063 B	00/00/0000
				FI	20001452 D	00/00/0000
EP	1375741	A2	02/01/2004	DE	10228308 A	22/01/2004
				DE	20218393 U	20/03/2003